MONTHLY BULLETIN

OF

THE OBSERVATORY

AMERICAN UNIVERSITY OF BEIRUT

BEIRUT, LEBANON

LAT. 33° 54' 22" N.

LONG. E. FROM GREENWICH 35° 28' 10"

September 1947

ROBERT W. SLOANE, DIRECTOR

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WEATHER BUREAU

SEPTEMBER 1947

METEOROLOGICAL REGISTER

Date	Barometer reduced to O°C Sea level and 45° Latitude 700 mm. + ...				Thermometer Degrees Centigrade					
	8:30	14:30	20:30	Mean	Max.	Min.	8:30	14:30	20:30	Mean
1	57.4	56.7	56.9	57.0	33.4	23.5	29.4	31.2	26.1	28.9
2	5.9	4.5	4.3	4.9	32.8	23.3	29.2	31.6	26.6	29.1
3	3.9	3.2	3.7	3.6	33.2	24.2	28.8	31.6	26.3	28.9
4	4.4	3.5	4.1	4.0	34.2	25.7	28.8	32.9	26.7	29.5
5	6.5	6.5	7.9	7.0	33.2	25.4	28.8	31.7	26.1	29.2
6	58.6	58.4	59.2	58.7	32.2	23.9	28.4	29.6	24.9	27.6
7	9.5	9.0	9.3	9.3	32.0	23.2	28.3	30.0	26.7	28.3
8	7.9	7.0	6.7	6.5	32.0	23.7	28.4	30.5	25.4	28.1
9	7.7	7.1	7.6	7.5	32.2	23.1	29.4	31.1	25.7	28.7
10	8.2	7.6	8.5	8.1	31.1	23.9	27.4	29.3	24.7	27.1
11	58.1	57.1	57.9	57.7	30.3	23.3	28.3	27.9	24.4	26.9
12	8.1	7.0	7.4	7.5	31.4	23.4	26.7	29.7	24.5	27.0
13	7.3	6.5	7.0	6.9	31.6	22.9	28.9	29.5	25.0	27.8
14	7.8	7.4	7.9	7.7	32.7	22.9	27.9	29.4	24.8	27.4
15	9.9	9.7	60.7	60.1	32.1	23.5	28.8	30.1	24.6	27.8
16	61.2	60.6	60.0	60.6	33.3	23.7	27.6	31.6	25.4	28.2
17	59.8	59.0	58.9	59.2	31.7	22.7	27.7	29.4	24.6	27.2
18	9.3	8.5	8.9	8.9	32.0	23.8	27.9	29.9	24.8	27.5
19	8.7	8.4	8.7	8.6	29.9	23.7	27.2	26.7	24.9	26.3
20	8.9	8.3	8.2	8.5	30.0	23.9	26.7	27.8	25.6	26.7
21	58.6	58.4	58.8	58.6	30.1	24.6	27.7	27.2	25.8	26.9
22	9.4	9.1	9.8	9.4	30.6	22.9	27.6	29.3	25.5	27.5
23	60.4	9.2	9.9	9.8	30.6	23.8	26.7	29.4	24.8	27.0
24	0.2	9.3	60.1	9.9	30.3	23.3	26.9	28.7	24.9	26.8
25	59.9	8.6	59.3	9.3	30.0	22.9	26.6	28.4	24.6	26.5
26	58.7	57.7	58.5	58.3	30.4	22.8	27.2	28.8	24.0	26.7
27	8.6	7.6	7.6	7.9	29.7	22.4	26.6	28.3	23.9	26.3
28	7.8	7.4	7.4	7.5	31.0	23.6	26.7	28.6	24.0	26.4
29	7.7	6.3	6.4	6.8	31.1	22.7	26.7	29.4	24.9	27.0
30	6.9	6.1	6.3	6.4	31.7	23.2	27.2	29.9	25.4	27.5
31										
	58.24	57.52	57.93	57.87	31.56	23.53	27.81	29.65	25.19	27.56

Barometer, range for month 761.2 – 753.2 mm.
„ 71-yr. average for month 758.74 mm.
Thermometer, range for month 34.2° – 22.4°C
„ 71-yr. average for month 27.209 °C.
Rain, total for month 1.78 m.m.
„ 71-yr. average for month 6.19 m.m.
„ Total, Sept. 1st. to end of month 1.78 mm.
„ 71-yr. average, Sept. 1st. to end of month 6.19 mm.

SEPTEMBER 1947
METEOROLOGICAL REGISTER

Date	Pressure of Water Vapor mm.				Relative Humidity per cent.				Sun.	Wind per day	Rain
	8:30	14:30	20:30	Mean	8:30	14:30	20:30	Mean	Hrs.	Kms.	m.m.
1	17.3	18.5	18.0	17.9	57	54	71	61	9.5	428.0	
2	18.7	18.2	17.8	18.2	62	52	69	61	9.5	465.0	
3	18.2	20.3	18.2	18.9	60	58	71	63	9.5	290.0	
4	19.3	18.9	19.8	19.3	65	50	76	64	9.5	692.0	
5	19.2	19.3	17.2	18.6	64	55	68	62	8.9	722.0	
6	16.5	17.8	18.2	17.5	57	57	77	64	9.5	515.0	
7	18.3	18.3	19.7	18.8	55	58	75	63	9.4	290.0	
8	17.3	18.2	18.2	17.9	59	56	75	63	9.5	185.0	
9	17.7	17.8	18.1	17.9	58	53	73	61	9.4	298.0	
10	18.0	18.8	17.2	18.0	67	63	74	68	9.0	237.0	1.78
11	18.5	18.6	17.2	18.1	64	67	76	69	9.0	354.0	
12	17.7	18.7	17.1	17.8	68	60	75	64	9.3	193.0	
13	17.9	19.5	17.7	18.4	60	63	75	66	9.3	162.0	
14	16.9	19.4	17.5	17.9	59	63	75	66	9.2	218.0	
15	15.2	17.1	16.6	16.3	51	54	72	59	9.3	182.0	
16	17.8	19.4	19.5	18.9	65	55	80	67	9.5	414.0	
17	20.2	21.3	20.1	20.5	73	69	87	76	9.4	174.0	
18	19.9	19.3	17.9	19.0	69	61	77	69	9.1	225.0	
19	17.1	21.6	18.9	19.2	64	84	81	76	9.0	182.0	
20	17.9	18.7	18.7	18.4	69	68	77	71	9.1	190.0	
21	18.0	20.4	18.1	18.8	65	76	73	71	9.1	332.0	
22	17.2	17.4	16.4	17.0	62	58	67	62	7.0	441.0	
23	15.7	17.7	16.7	16.7	60	58	72	63	9.5	161.0	
24	17.1	18.0	16.6	17.2	65	62	71	66	9.3	171.0	
25	16.5	16.6	16.7	16.6	63	58	73	65	9.2	229.0	
26	11.2	19.7	18.5	18.8	68	66	84	73	9.3	254.0	
27	19.1	20.5	18.6	19.4	73	72	84	76	9.2	193.0	
28	15.2	20.4	18.5	18.0	58	70	84	71	9.1	418.0	
29	16.6	19.7	16.6	17.8	63	65	71	66	9.4	555.0	
30	16.2	18.0	17.4	17.2	59	57	72	63	9.2	311.0	
	17.65	18.93	17.92	18.16	62.70	61.40	75.16	66.33	9.21	316.0	0.039

Height of Barometer above sea level: 33.7 meters.
" " Thermometers above ground:
Dry and wet 1.55 m.: Max. 1.75 m.: Min. 1.70 m.
Rim of Rain Gauge: above ground 0.56 m.; above sea level 30.31 m
Time of reading minus 2 hours equals G.C.T.
71 year averages are for period, 1875-1945

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METEOROLOGICAL REGISTER

Date	Clouds Clear—0 Overcast—10				Direction and force of wind Beaufort scale			Sea	Notes
	8:30	14:30	20:30	Mean	8:30	14:30	20:30		
1	1ci	2ci-cu	3cu	2.0	1sw	1sw	1sw	light	
2	2ci-cu	1ci	0	1.0	1sw	1nw	1sw	„	
3	0	1ci	0	0.3	2w	2w	0	„	
4	0	0	0	0.0	1sw	3sw	1sw	„	
5	1cu	1cu	0	0.7	2sw	1sw	0	slight	Traces at night
6	0	2cu	0	0.7	2sw	1sw	0	light	
7	0	0	0	0.0	1nw	1w	0	„	
8	0	0	0	0.0	1w	1w	0	„	
9	1cu	0	0	0.3	1sw	2sw	0	„	
10	4cu-ci	5cu	0	3.0	1sw	2nw	0	„	
11	4cu	6cu-ci	0	3.3	1sw	1nw	0	light	
12	8cu	4cu	2cu	4.7	1sw	2sw	0	calm	
13	0	0	0	0.0	1n	1nw	0	light	
14	0	0	0	0.0	0	1n	0	„	
15	0	0	0	0.0	1n	1n	0	slight	
16	0	0	0	0.0	1n	1n	0	light	
17	2ci	2ci-cu	0	1.3	1sw	1n	0	slight	
18	0	0	0	0.0	1sw	1sw	0	light	
19	1cu	3cu	1cu	1.7	1sw	1sw	0	„	
20	3cu	3cu	6cu	4.0	1sw	1nw	0	„	
21	6cu	10cu	10cu	8.7	1n	0	0	light	
22	2cu	7cu	8cu	5.7	2sw	2sw	1sw	slight	
23	1cu	0	9cu	3.3	1sw	1sw	0	light	
24	6cu	7cu	5cu	6.0	1s	1w	1w	„	
25	3cu	1cu	1cu	1.7	1sw	1sw	0	„	
26	0	2cu	0	0.7	1w	2sw	0	light	
27	0	0	0	0.0	1n	1nw	0	„	
28	0	0	0	0.0	1n	1nw	1nw	„	
29	0	0	0	0.0	1nw	1n	0	slight	
30	0	1cu	0	0.3	1n	1ne	2ne	light	

* Abbreviations :— G = gale; H = haze; M = mist ; T = thunderstorm ; D = dew. W = strong wind; Tr = trace of rain

Number of Daily Wind Observations

Time	N	NE	E	SE	S	SW	W	NW	Calm	Totals
8:30	7	0	0	0	1	16	3	2	1	30
14:30	5	1	0	0	0	12	4	7	1	30
20:30	0	1	0	0	0	4	1	1	23	30
Mean	12	2	0	0	1	32	8	10	25	90

Number of days with rain 1, fog 0, thunderstorms 0, gale 0.

71 yr. av. number of days with rain during month 1.13